



**OHM Remediation  
Services Corp.**

A Subsidiary of OHM Corporation

K.Y. ✓  
4/12/96

April 12, 1996

Mr. Elvin Pauls  
Area Engineer  
UNITED STATES ARMY CORPS OF ENGINEERS  
Chicago District  
111 North Canal Street  
Chicago, IL 60606-7206

RE: Cost Schedule Status Report  
NL/Tara Corp. Superfund Project  
Stack Emissions (Lead) Removal  
Contract DAWC 45-89-D-0506  
Delivery Order No. 17  
OHM Project 16473

Dear Mr Pauls:

This Cost/Schedule Status Report for the Stack Emissions (lead) Removal at the NL/TARA Corp. Superfund Site in Granite City, IL covers the period from March 6, 1996 through April 11, 1996. The work being performed is sampling, soil removal and restoration of the Stack Emission Lots, and H.E.P.A. vacuuming of remediated homes.

#### **SUMMARY OF WORK PERFORMED:**

As signed access agreements continue to be accumulated, sampling is performed and the analytical results determine the listing priority of each site.

Stack Emission Lots:	See Attachment A
H.E.P.A Vac Operation:	See Attachment B
Easement List	See Attachment C

#### **VARIATIONS TO THE WORK PLAN:**

The priority is the remainder of the original 27 sites, remediation of the newly-generated list of sites as noted in the last monthly report, and the H.E.P.A. vacuuming of the houses. As previously-noted, some homes refused this new service (see Attachment B). At the direction of USEPA through USACE, OHM is offering the loan of a H.E.P.A.-vac unit to home owners, if so preferred.

Also, Granite City, IL has refused to allow remediation of easements (boulevards) in front of site homes, so a list has been generated for tracking purposes. However, easements are being remediated at the Madison, IL addresses (see Attachment C).

EPA Region 5 Records Ctr.



260516

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**PROBLEMS ENCOUNTERED:**

Because of the funding limitations of the undefinitized UCA, work was proceeding with a limited work crew and limited to 40 hours per week. However, with the negotiations complete on modifications No. 05 and No. 07, the definitization is complete, and work crews have resumed a 10-hour/6-day work schedule.

Some sites took longer than usual to complete restoration due to the inclement weather experienced. However, crews are taking advantage of favorable weather to complete restoration/sodding of multiple lots to assure appropriate site management.

**WORK PLANNED FOR NEXT PERIOD (April 12 through May 15):**

Continue with excavation, restoration and finalization of the primary 27 stack emission sites and H.E.P.A. vacuuming of houses. OHM will also begin remediation of the new list ("A" list) which is comprised of over 90 additional sites meeting the same criteria (see Attachment D). These sites will also have the H.E.P.A.-vac service available to them.

**PERSONNEL CHANGES:**

There are a total of 36 OHM personnel on site. Please refer to the Organization Chart (Attachment E).

**WASTE DISPOSAL:**

No additional shipments of hazardous soils have been made since the December report. Please refer to Attachment F for a listing of current and previous shipments of special soils.

**CONVERSATIONS WITH AGENCIES:**

As noted in last month's report, OHM is continuing to develop: 1) a back-up list of lots to be added to the ongoing list of Stack Emission Lots; 2) a listing of lots within the range of 500ppm to 1000 ppm for potential future remediation; and 3) a listing of all sites within the established perimeter. These lists will continue to grow as data is processed, but updates are available.

**PROJECT SCHEDULE/COST REPORTING:**

Funds remaining will be utilized to complete additional Stack Emission Lots as directed by USACE.

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Analysis of the Forward Look, Attachment G, indicates that the funds available are adequate for completion of the work currently scheduled.

**RECOMMENDATIONS:**

As remediation of sites continues, it will be important to supplement lawn watering maintenance. Also, as summer approaches, a "seed/straw" mulching system is recommended in place of sod due to previously-experienced summer heat.

The formalization of future plans and appropriate contract actions are critical to the continuation of the programs at Granite City. The appropriate contract actions need to be in place by early May to assure an efficient continuation effort.

Sincerely,



A.E. Haase  
Senior Project Manager,  
Midwest Region

**Attachments**

AEH/mtb

pc: T. Bloodworth, USACE, Granite City  
B. Bradley, USEPA, Chicago  
B. Rogers, IEPA, Springfield  
J. Hitchings  
T. Seem  
Project File

**STACK EMISSION LOTS  
ATTACHMENT 'A'**

<b>ADDRESS * "A" List</b>	<b>EXCAVATION</b>	<b>RESTORATION</b>	<b>SOD</b>	<b>% COMPLETE</b>
1704/06 Edison				100%
1708 Edison				100%
1717/19 Edison				100%
1715 Edison				100%
1707 Edison				100%
1703 Delmar				100%
1709/11 Edison				100%
1726 Edison				100%
1717/19 Delmar				100%
1723 Delmar				100%
1708 Cleveland			X	98%
1704/06/08 Delmar			X	90%
1733/35 Edison		X		50%
1728 Delmar		X		50%
1734 Edison	X			15%
1728 Edison*	X			5%

**INSIDE ACCESS  
VIDEO AND VACUUM LOG**

[illegible]

## EASEMENT LIST FOR STACK EMISSION SITES

SITE ADDRESS	COMPLETED YES/NO
--------------	------------------

1628 DELMAR	
822 NIEDRINGHAUS	
1408 STATE	YES
1410 GRAND	
1442 GRAND	
1630 DELMAR	
1443 GRAND	
1642 CLEVELAND	
1640 CLEVELAND	
1429 MADISON	
1633 DELMAR	
1440 GRAND	
1643 EDISON	
1444 GRAND	
1423 MADISON	
1628 CLEVELAND	
1630/32/34 CLEVELAND	
1726 CLEVELAND	
1728 CLEVELAND	
1624/26 CLEVELAND	
1619 DELMAR	
1624 DELMAR	
1636 DELMAR	
1641 DELMAR	
1638 DELMAR	
1627/29 EDISON	
1401/03/05 GRAND	YES
1412 GRAND	YES
1418 GRAND	YES
1419/21 GRAND	YES
1423 GRAND	YES
1424 GRAND	YES
1429 GRAND	YES
1431 GRAND	YES
1436 GRAND	YES

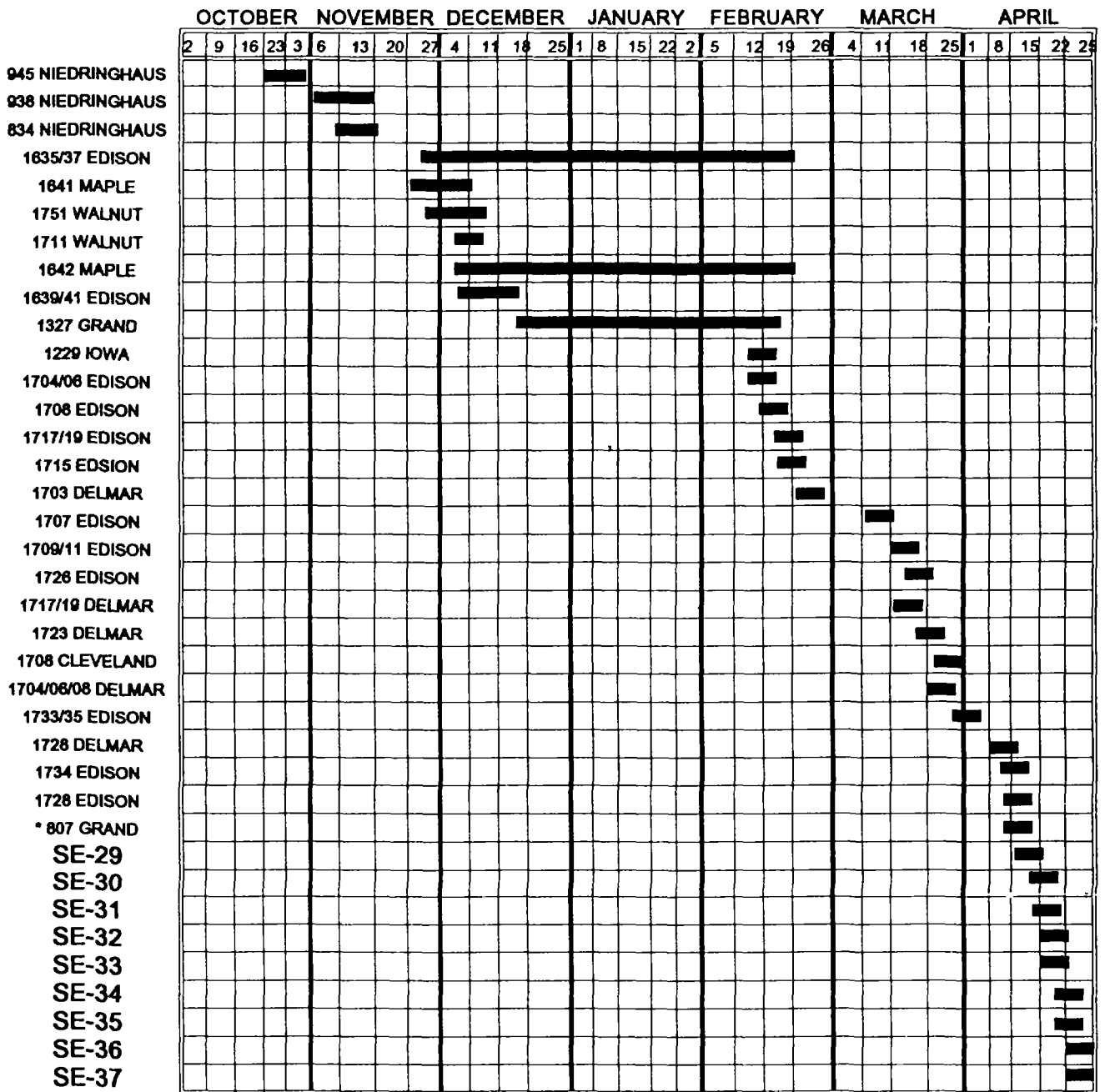
SITE ADDRESS	COMPLETED YES/NO
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1415 GRAND	YES
1420/22 GRAND	YES
1413 MADISON	YES
1415 MADISON	YES
1419 MADISON	YES
1425 MADISON	YES
1411 MADISON	YES
1406 STATE	YES
945 NIEDRINGHAUS	YES
938 NIEDRINGHAUS	YES
834 NIEDRINGHAUS	YES
1641 MAPLE	YES
1642 MAPLE	YES
1635/37 EDISON	YES
1639/41 EDISON	YES
1704/06 EDISON	YES
1708/10 EDISON	YES
1707 EDISON	YES
1717/19 EDISON	YES
1715 EDISON	YES
1709/11 EDISON	YES
1726 EDISON	YES
1733/35 EDISON	YES
1734 EDISON	YES
1728 DELMAR	YES
1704/08 DELMAR	YES
1717/19 DELMAR	YES
1703 DELMAR	YES
1723 DELMAR	YES
1751 WALNUT	YES
1711 WALNUT	YES
1327 GRAND	YES
1229 IOWA	YES
1708 CLEVELAND	YES
1919 CLEVELAND	

## ATTACHMENT D

PROJECTED SCHEDULE  
PROJECT 16473  
GRANITE CITY, IL

MOD #6  
 SE=STACK EMISSION SITE  
 04/12/96



\*MEANS LOT FROM A-LIST

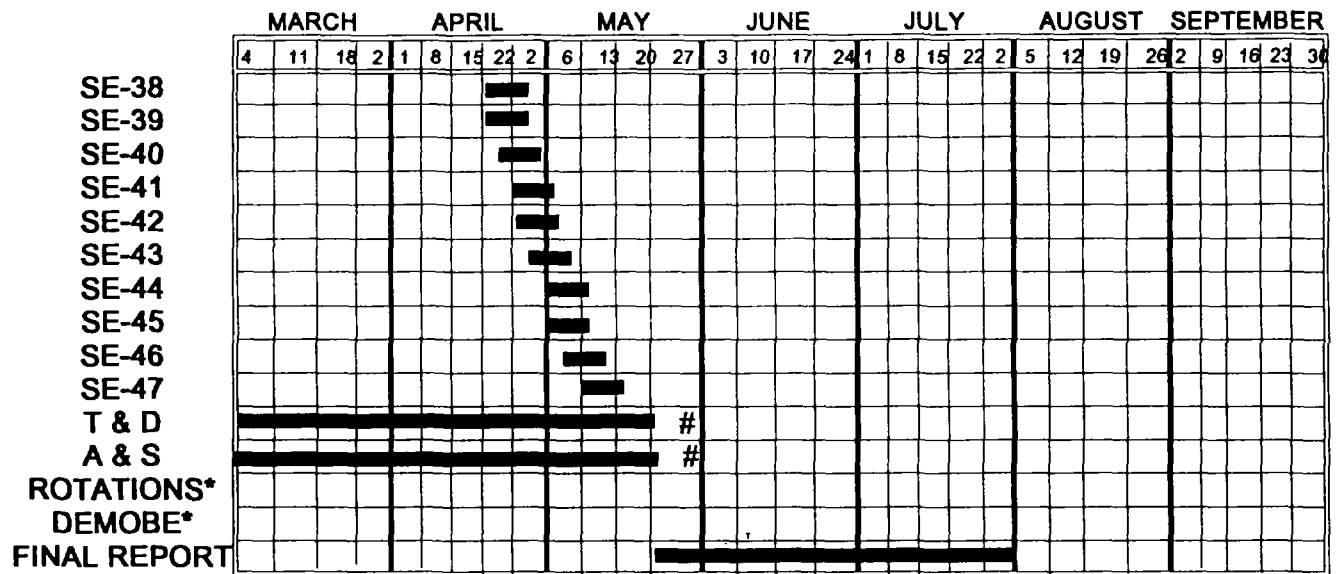
ATTACHMENT D

\*=TO BE DETERMINED

PROJECTED SCHEDULE  
PROJECT 16473  
GRANITE CITY, IL

MOD #6  
 SE=STACK EMISSION SITE  
 04/12/96

#=CONTINUED FROM 2/21/96





# OHM ORGANIZATIONAL CHART

ATTACHMENT E

USACE

AL HAASE-PROJECT MANAGER

TOM SEEM-SUPERINTENDENT

ATTACHMENT D

## ACCOUNTING

L GAYER 579	PA
A POST 6428	PA
M BOZEMAN	SCY
L COCHRAN 6194	RUNNER

## OPERATIONS

T. GLAZEBROOK 3404	OPERATIONS MANAGER
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## SAFETY

S. BLASSINGAME 4605	H & S SUP
BRYSON BAKER	TECH
R. FREELS 4563	TECH

## TECH

A. SAMS 6085	TECH ENGINEER
B GREGORY 6285	TECH
D WILSON 4565	TECH
J. BOYER 6249	SITE CO-ORDINATOR

## CREW #1 EXCAVATION

D KRIETE 2482	FOREMAN
M DUVALL 6289	EO
R JENKINS 6047	EO
D TARRO 6853	RT
J MOORE 6056	RT

## CREW #2 EXCAVATION

C.BURKETT 3935	FOREMAN
B SMURL 2477	EO
V. MORALES 456	EO
J BIERMAN 6074	RT
B. CATHEY 6148	RT

## RESTORATION/MAINTENANCE

T. EMBERLING 1154	GENERAL FOREMAN
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## WATER CREW

K. LOWE 6209	DRIVER
J. COLEMAN 6251	MAINTENANCE

## VACUUM CREW

T. HEMSATH 6286	VAC TECH
J. NIVENS 6283	VAC TECH

## RESTORATION

D. BEELEK 6046	EO
D. THOMPSON 6050	EO
S. WILSON 6313	RT
G. SMITH 6287	RT

## MAINTENANCE

C SIMMS 6798	FOREMAN
G. RANDALL 6282	EO
B MERSCH 6062	RT
TNL	RT

PM- PROJECT MANAGER  
 SUP- SUPERVISOR  
 PA- PROJECT ACCOUNTANT  
 EO- EQUIPMENT OPERATOR  
 RT- RECOVERY TECH  
 SCY- SECRETARY  
 TOTAL PEOPLE - 36  
 LOCAL PEOPLE-77%

DATE 04/11/96

**OHM CORPORATION  
GRANITE CITY, IL  
PROJECT 16473**

04/12/96

**TOTALS SHIPPED FROM STACK EMISSION SITES BY DAY**

SITE	DATE	#TRUCKS	TOTAL
945 NIEDRINGHAUS	10/27/95	23	193.4
945 NIEDRINGHAUS	10/28/95	11	126.18
945 NIEDRINGHAUS	10/31/95	22	226.99
945 NIEDRINGHAUS	11/01/95	6	58.36
938 NIEDRINGHAUS	11/07/95	11	100.18
834 NIEDRINGHAUS	11/08/95	4	44.64
1641 MAPLE	11/28/95	6	54.2
1641 MAPLE	11/29/95	2	22.52
1635/37 DELMAR	11/30/95	16	138.95
1751 WALNUT	12/01/95	10	101.66
1635/37 EDISON	12/04/95	19	201.32
1642 MAPLE	12/04/95	6	59.4
1642 MAPLE	12/05/95	14	155.53
1635/37 EDISON	12/06/95	21	229.51
1711 WALNUT	12/07/95	18	185.18
1639/41 EDISON	12/08/95	9	83.26
1711 WALNUT	12/08/95	6	49.27
1639/41 EDISON	12/11/95	2	20.3
1639/41 EDISON	12/12/95	1	1.61
1327 GRAND	12/14/95	6	61.54
1327 GRAND	12/15/95	6	54.01
1327 GRAND	12/18/95	2	19.33
1229 IOWA	02/15/96	12	114.72
1704/06 EDISON	02/16/96	4	41
1704/06 EDISON	02/17/96	3	29.22
1704/06 EDISON	02/19/96	6	85.24
1708 EDISON	02/20/96	11	220.93
1708 EDISON	02/21/96	1	15.27
1717/19 EDISON	02/22/96	15	170.75
1717/19 EDISON	02/23/96	1	13.23
1715 EDISON	02/23/96	4	50.64
1715 EDISON	02/24/96	4	36.71
1707 EDISON	03/05/96	2	22.61
1703 DELMAR	03/11/96	8	81.29
1707 EDISON	03/11/96	2	26.01
1703 DELMAR	03/12/96	11	127.47
1707 EDISON	03/12/96	4	46.84
1709/11 EDISON	03/13/96	9	109.05
1717/19 DELMAR	03/13/96	7	61.5
1717/19 DELMAR	03/14/96	3	28.13
1723 DELMAR	03/14/96	3	28.71
1726 EDISON	03/15/96	7	85.4
1723 DELMAR	03/15/96	7	75.04
1726 EDISON	03/18/96	5	54.81
1723 DELMAR	03/18/96	9	96.89
1704/08 DELMAR	03/22/96	16	174
1704/08 DELMAR	03/26/96	6	44.03
1708 CLEVELAND	03/27/96	11	133.7
1704/08 DELMAR	03/27/96	7	86.48
1708 CLEVELAND	03/28/96	14	156.09
1704/08 DELMAR	03/28/96	1	
1733/35 EDISON	04/09/96	8	83.82
1728 DELMAR	04/10/96	7	60.73
1733/35 EDISON	04/10/96	7	79.52
1728 DELMAR	04/11/96	3	64.83
1733/35 EDISON	04/11/96	3	29.75

MISSING 1

MISSING 1

MISSING 1

MISSING 1

**TOTAL      4721.73**

Estimate of Percent Complete:  
(Includes adds and deducts)

30%

WBS CODE	A Original Budget	B Revised Budget	C Expended To Date	D % Complete	E Budget Project @ Completion C/D	F Actual Budget Variance E-B	G Estimate To Complete E-C	Financial % Complete C/B)
FEE	137,813	137,813	137,813	100%	137,813	0	0	100%
PLANS & SPECIFICATIONS	0	0	0	0%	0	0	0	0%
01040005-FINAL REPORT-DRAFT	17,931	17,931	0	0%	17,931	0	17,931	0%
01040005-FINAL REPORT-FINAL	6,221	6,221	0	0%	6,221	0	6,221	0%
	0	0	0	0%	0	0	0	0%
MOBILIZATIONS	0	0	0	0%	0	0	0	0%
01101050-MOBE/DEMOBE	7,946	7,946	0	30%	0	(7,946)	0	0%
01102050-CREW ROTATIONS	10,669	10,669	5,793	30%	19,310	8,641	13,517	54%
	0	0	0	0%	0	0	0	0%
EXCAVATE/LOADOUT/BACKFILL	0	0	0	0%	0	0	0	0%
02103050-FLOWER/SHRUB REPLACE	3,706	3,706	0	30%	0	(3,706)	0	0%
02104050-CONCRETE REPLACEMENT	45,600	45,600	14,331	30%	47,770	2,170	33,439	31%
02105050-DUST CONTROL	90,191	90,191	2,452	30%	90,191	0	87,739	3%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
STACK EMISSION LOTS	0	0	0	0%	0	0	0	0%
02106001-1708 CLEVELAND	20,500	20,500	16,706	98%	17,047	(3,453)	341	81%
02106002-1919 CLEVELAND	20,500	20,500	0	0%	20,500	0	20,500	0%
02106003-1733/35 EDISON	20,500	20,500	7,779	50%	15,558	(4,942)	7,779	38%
02106005-1704W DELMAR	20,500	20,500	23,944	90%	26,604	6,104	2,660	117%
02106006-1728 DELMAR	20,500	20,500	3,177	50%	6,354	(14,146)	3,177	15%
02106007-1734 EDISON	20,500	20,500	1,311	15%	8,740	(11,760)	7,429	6%
02106008-1723 DELMAR	20,500	20,500	21,790	100%	21,790	1,290	0	106%
02106009-1717/19 DELMAR	20,500	20,500	15,764	100%	15,764	(4,736)	0	77%
02106014-1707 EDISON	20,500	20,500	14,683	100%	14,683	(5,817)	0	72%
02106015-1717/19 EDISON	20,500	20,500	16,586	100%	16,586	(3,914)	0	81%
02106016-1726 EDISON	20,500	20,500	15,651	100%	15,651	(4,849)	0	76%
02106017-1715 EDISON	20,500	20,500	10,728	100%	10,728	(9,772)	0	52%
02106021-1709/11 EDISON	20,500	20,500	12,280	100%	12,280	(8,220)	0	60%
02106028-1728 EDISON	20,500	20,500	242	5%	20,500	0	20,258	1%
02106029-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106030-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106031-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106032-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106033-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106034-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106035-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106036-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106037-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106038-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106039-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106040-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106041-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106042-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106043-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106044-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106045-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106046-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106047-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
02106048-SE	20,500	20,500	0	0%	20,500	0	20,500	0%
	0	0	0	0%	0	0	0	0%
TOTAL	1,017,077	1,017,077	321,030	34%	952,021	(65,056)	630,991	32%

**Estimate of Percent Complete:**  
(Includes adds and deducts)

**30%**

WBS CODE	A Original Budget	B Revised Budget	C Expended To Date	D % Complete	E Budget Project @ Completion C/D	F Actual Budget Variance E-B	G Estimate To Complete E-C	Financial % Complete C/B)
FEE	0	0	0	0%	0	0	0	0%
BALANCE FORWARD	1,017,077	1,017,077	321,030	34%	952,021	(65,056)	630,991	32%
	0	0	0	0%	0	0	0	0%
DISPOSAL	0	0	0	0%	0	0	0	0%
0301050-TRANSPORT & DISPOSAL	91,492	91,492	31,041	30%	103,470	11,978	72,429	34%
	0	0	0	0%	0	0	0	0%
SITE SAMPLING	0	0	0	0%	0	0	0	0%
0701050-SITE SAMPLING	100,817	100,817	52,250	52%	100,481	(336)	48,231	52%
	0	0	0	0%	0	0	0	0%
OTHER	0	0	0	0%	0	0	0	0%
1155555-PER DIEMS	65,856	65,856	15,677	30%	52,257	(13,599)	36,580	24%
2255555-INVENTORY	7,049	7,049	1,264	30%	4,213	(2,836)	2,949	18%
3355555-FIELD INVENTORY	40,169	40,169	1,629	30%	5,430	(34,739)	3,801	4%
4455555-FUEL OIL & GAS	27,310	27,310	3,834	30%	12,780	(14,530)	8,946	14%
0209000-POST REMEDIATION COSTS	15,000	15,000	4,257	30%	14,190	(810)	9,933	28%
02090001-HEPA VACUUMING	44,321	44,321	8,412	30%	28,040	(16,281)	19,628	19%
ACCOUNTING RESERVE	213,842	213,842	213,842	100%	213,842	0	0	100%
BUDGET VARIANCE FROM MODIFICTN	40,000	40,000	37,691	94%	40,097	97	2,406	94%
	0	0	0	0%	0	0	0	0%
PROJECT ADMIN & SUPPORT	0	0	0	0%	0	0	0	0%
9900015-SITE ADMIN & SUPPERT	386,842	386,842	120,222	30%	400,740	13,898	280,518	31%
9900025-HEALTH & SAFETY	110,123	110,123	23,010	30%	76,700	(33,423)	53,690	21%
9900035-WEATHER DAYS	72,700	72,700	25,800	30%	86,000	13,300	60,200	35%
	0	0	0	0%	0	0	0	0%
FUNDS REMAINING	95,000	95,000	0	0%	95,000	0	95,000	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
	0	0	0	0%	0	0	0	0%
TOTAL	2,327,598	2,327,598	859,959	39%	2,185,261	(142,337)	1,325,302	37%